

\*13 BAR, EPOXY COATED. PLACE © STIRRUP SPACING REQUIRED FOR NON WWF STIRRUPS. EMBED INTO GIRDER 380 mm. D16 MINIMUM SIZE OF VERTICAL WIRE 25 mm MINIMUM CLEARANCE TO HORIZONTAL WIRE CLEARANCE -32 mm MIN., 50 mm MAX.

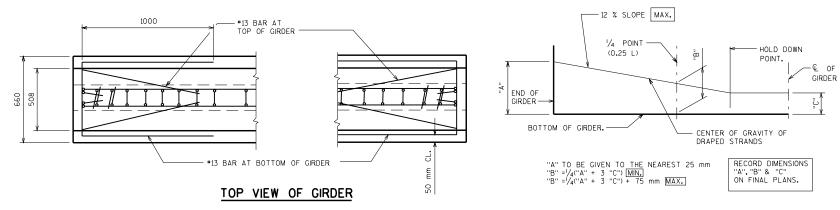
SECTION THRU GIRDER

SHOWING WELDED WIRE FABRIC (WWF) STIRRUPS

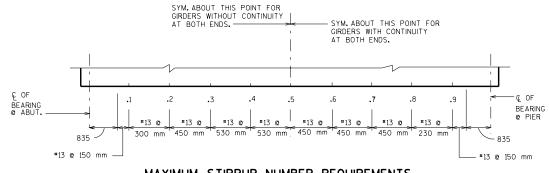
SUPPORT WITH STEEL OR ELASTOMERIC BRGS.

SUPPORT WITH 13 mm ELASTOMERIC BEARING PAD

# SIDE VIEW OF GIRDER



#### LOCATION OF DRAPED STRANDS



#### MAXIMUM STIRRUP NUMBER REQUIREMENTS

VALUES SHOWN ARE FOR STIRRUPS FOR 25900 mm SPANS AND 4000 mm GIRDER SPACING, MS18 LOADING. DESIGN STIRRUPS FOR ALL OTHER CASES. USE #13 BARS AT 530 mm AS MINIMUM STIRRUP AREA.

### GENERAL NOTES

THESE NOTES APPLY TO ALL GIRDERS.

THE GIRDERS SHALL BE PROVIDED WITH A SUITABLE LIFTING DEVICE FOR HANDLING AND ERECTING THE GIRDERS. ALL GIRDERS SHALL BE CAST FULL LENGTH AS SHOWN.

STRANDS SHALL BE FLUSH WITH END OF GIRDER. ENDS OF STRANDS SHALL BE PAINTED WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. THIS APPLIES ONLY TO THOSE ENDS OF GIRDERS THAT ARE FINALLY EXPOSED.

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY FOR BONDING TO THE SLAB, EXCEPT THE OUTSIDE 50 mm OF GIRDER, WHICH SHALL BE TROWEL FINISHED.

SPACING SHOWN FOR #13 STIRRUPS IS FOR GRADE 420 REINFORCEMENT. IF THE FABRICATOR WANTS TO BUILD A BAR STEEL CAGE BY WELDING LONGITUDINAL REINFORCEMENT TO THE #13 STIRRUPS, TWO OPTIONS

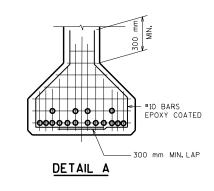
1. USE ASTM A706M, GRADE 420 REINFORCEMENT AND THE STIRRUP SPACING AS SHOWN ON THE PLANS.

2. USE ASTM A615M, GRADE 300 REINFORCEMENT AND A MODIFIED STIRRUP SPACING SUBMITTED TO AND APPROVED BY THE STRUCTURES DEVELOPMENT SECTION.

AN ALTERNATE EQUIVALENT OF WELDED WIRE FABRIC (WWF) MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON APPROVAL OF THE STRUCTURES DEVELOPMENT SECTION.

WELDED WIRE FABRIC SHALL CONFORM TO THE REQUIREMENTS OF

ALL DIMENSIONS ARE IN MILLIMETERS.



## 1370 mm PRETENSIONED GIRDER DETAILS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DEVELOPMENT SECTION

APPROVED: 12/99